

EXHIBIT A

1. A vaccine composition to induce a protective immune response against West Nile virus (WNV) in an animal susceptible to WNV comprising a vector comprising a recombinant canarypox virus that encodes and expresses *in vivo* in the animal WNV polyprotein prM-M-E.

2-5. (Cancelled)

6. The vaccine composition of claim 5 wherein the canarypox virus is ALVAC.

7-9. (Cancelled)

10. The vaccine composition of claim 1 wherein the nucleic acid molecule comprises nucleotides 466-741, 742-966 and 967-2469 of GenBank AF196835 (SEQ ID NO: 66) encoding WNV prM, M and E, respectively.

11. The vaccine composition of claim 1 wherein the nucleic acid molecule comprises nucleotides 466-2469 of GenBank AF196835 (SEQ ID NO: 66) encoding WN protein prM-M-E.

12. The vaccine composition of claim 1 wherein the nucleic acid molecule comprises nucleotides 421-2469 of GenBank AF196835 (SEQ ID NO: 66) encoding WN protein prM-M-E and the signal peptide of prM.

13. The vaccine composition of claim 1, further comprising an adjuvant.

14. The vaccine composition according to claim 10, wherein the adjuvant is a carbomer.

15. The vaccine composition of claim 1 further comprising an antigen or immunogen or epitope thereof of a pathogen other than WNV of the animal, or a vector that contains and expresses *in vivo* in the animal a nucleic acid molecule encoding the antigen, immunogen or epitope thereof, or an inactivated or attenuated pathogen other than WNV of the animal.

16. The vaccine composition of claim 1, wherein the animal is a cat or a horse.

17. A method for inducing a protective immune response against WNV in an animal comprising administering to the animal the vaccine composition according to claim 1.

18. A method for inducing a protective response against WNV in an animal comprising administering to the animal the vaccine composition according to claim 1, wherein the composition additionally comprises an adjuvant.

19. The method according to claim 18 wherein the adjuvant comprises a carbomer adjuvant.

20. A method for inducing a protective immune response against WNV and a second pathogen in an animal comprising administering to the animal the vaccine composition according to 15.

21. A method for inducing a protective immune response against WNV in an animal comprising administering to the animal (a) the vaccine composition according to claim 1, and (b) a WNV isolated antigen, immunogen or epitope thereof, wherein (a) is administered prior to (b) in a prime-boost regimen, or (b) is administered prior to (a) in a prime-boost regimen, or (a) and (b) are administered together, either sequentially or in admixture.

22. The method of any of claims 17, 20 or 21, wherein the animal is a cat or a horse.

23-30. (Cancelled)

31. The vaccine composition of claim 6, wherein the recombinant ALVAC virus is vCP2017.